Ivo Roessink

List of Publications by Year
in descending order

52 papers	1,522 citations	304743 22 h-index	330143 37 g-index
52 all docs	52 docs citations	52 times ranked	1833 citing authors

#	Article	IF	Citations
1	THE NEONICOTINOID IMIDACLOPRID SHOWS HIGH CHRONIC TOXICITY TO MAYFLY NYMPHS. Environmental Toxicology and Chemistry, 2013, 32, 1096-1100.	4.3	174
2	Reintroducing Environmental Change Drivers in Biodiversityâ€“Ecosystem Functioning Research. Trends in Ecology and Evolution, 2016, 31, 905-915.	8.7	110
3	Acute and chronic toxicity of neonicotinoids to nymphs of a mayfly species and some notes on seasonal differences. Environmental Toxicology and Chemistry, 2016, 35, 128-133.	4.3	78
4	Species traits as predictors for intrinsic sensitivity of aquatic invertebrates to the insecticide chlorpyrifos. Ecotoxicology, 2012, 21, 2088-2101.	2.4	74
5	On the way to cyanobacterial blooms: Impact of the herbicide metribuzin on the competition between a green alga (Scenedesmus) and a cyanobacterium (Microcystis). Chemosphere, 2006, 65, 618-626.	8.2	73
6	The minimum detectable difference (MDD) and the interpretation of treatment-related effects of pesticides in experimental ecosystems. Environmental Science and Pollution Research, 2015, 22, 1160-1174.	5.3	67
7	EFFECTS OF LAMBDA-CYHALOTHRIN IN TWO DITCH MICROCOSM SYSTEMS OF DIFFERENT TROPHIC STATUS. Environmental Toxicology and Chemistry, 2005, 24, 1684.	4.3	63
8	Ecological impact in ditch mesocosms of simulated spray drift from a crop protection program for potatoes. Integrated Environmental Assessment and Management, 2006, 2, 105-125.	2.9	51
9	In situ Treatment with Activated Carbon Reduces Bioaccumulation in Aquatic Food Chains. Environmental Science & Technology, 2013, 47, 4563-4571.	10.0	47
10	Competitive interactions between co-occurring invaders: identifying asymmetries between two invasive crayfish species. Biological Invasions, 2011, 13, 1791-1803.	2.4	46
11	First evidence of crayfish plague agent in populations of the marbled crayfish (<i>Procambarus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	40
12	Impact of a benzoyl urea insecticide on aquatic macroinvertebrates in ditch mesocosms with and without nonâ€sprayed sections. Environmental Toxicology and Chemistry, 2009, 28, 2191-2205.	4.3	39
13	IMPACT OF POLYCHLORINATED BIPHENYL AND POLYCYCLIC AROMATIC HYDROCARBON SEQUESTRATION IN SEDIMENT ON BIOACCUMULATION IN AQUATIC FOOD WEBS. Environmental Toxicology and Chemistry, 2007, 26, 607.	4.3	36
14	Life-history consequences forDaphnia pulex exposed to pharmaceutical carbamazepine. Environmental Toxicology, 2006, 21, 172-180.	4.0	35
15	Lanthanum from a Modified Clay Used in Eutrophication Control Is Bioavailable to the Marbled Crayfish (Procambarus fallax f. virginalis). PLoS ONE, 2014, 9, e102410.	2.5	32
16	Survey of the crayfish plague pathogen presence in the Netherlands reveals a new Aphanomyces astaci carrier. Journal of Invertebrate Pathology, 2014, 120, 74-79.	3.2	31
17	Impact of triphenyltin acetate in microcosms simulating floodplain lakes. I. Influence of sediment quality. Ecotoxicology, 2006, 15, 267-293.	2.4	30
18	Modeling Decreased Food Chain Accumulation of PAHs Due to Strong Sorption to Carbonaceous Materials and Metabolic Transformation. Environmental Science & Technology, 2007, 41, 6185-6191.	10.0	29

#	Article	IF	Citations
19	Calibration and validation of toxicokinetic-toxicodynamic models for three neonicotinoids and some aquatic macroinvertebrates. Ecotoxicology, 2018, 27, 992-1007.	2.4	29
20	Macroinvertebrate responses to insecticide application between sprayed and adjacent nonsprayed ditch sections of different sizes. Environmental Toxicology and Chemistry, 2010, 29, 1994-2008.	4.3	28
21	The species sensitivity distribution approach compared to a microcosm study: A case study with the fungicide fluazinam. Ecotoxicology and Environmental Safety, 2010, 73, 109-122.	6.0	27
22	Copper kinetics and internal distribution in the marbled crayfish (Procambarus sp.). Chemosphere, 2012, 87, 333-338.	8.2	27
23	Effects of the fungicide metiram in outdoor freshwater microcosms: responses of invertebrates, primary producers and microbes. Ecotoxicology, 2012, 21, 1550-1569.	2.4	26
24	An energetics-based honeybee nectar-foraging model used to assess the potential for landscape-level pesticide exposure dilution. PeerJ, 2016, 4, e2293.	2.0	25
25	Impact of triphenyltin acetate in microcosms simulating floodplain lakes. II. Comparison of species sensitivity distributions between laboratory and semi-field. Ecotoxicology, 2006, 15, 411-424.	2.4	22
26	Exposure and effects of sediment-spiked fludioxonil on macroinvertebrates and zooplankton in outdoor aquatic microcosms. Science of the Total Environment, 2018, 610-611, 1222-1238.	8.0	21
27	Interactions between nutrients and organic micro-pollutants in shallow freshwater model ecosystems. Science of the Total Environment, 2008, 406, 436-442.	8.0	19
28	Impacts of manipulated regime shifts in shallow lake model ecosystems on the fate of hydrophobic organic compounds. Water Research, 2010, 44, 6153-6163.	11.3	19
29	Impact of invasive crayfish on water quality and aquatic macrophytes in the Netherlands. Aquatic Invasions, 2017, 12, 397-404.	1.6	18
30	Comparing population recovery after insecticide exposure for four aquatic invertebrate species using models of different complexity. Environmental Toxicology and Chemistry, 2014, 33, 1517-1528.	4.3	16
31	Effects of timeâ€variable exposure regimes of the insecticide chlorpyrifos on freshwater invertebrate communities in microcosms. Environmental Toxicology and Chemistry, 2011, 30, 1383-1394.	4.3	14
32	The effects of zinc on the structure and functioning of a freshwater community: A microcosm experiment. Environmental Toxicology and Chemistry, 2016, 35, 2698-2712.	4.3	14
33	Genetic characterization of Western European noble crayfish populations (Astacus astacus) for advanced conservation management strategies. Conservation Genetics, 2017, 18, 1299-1315.	1.5	14
34	Results of 2â€Year Ring Testing of a Semifield Study Design to Investigate Potential Impacts of Plant Protection Products on the Solitary Bees Osmia Bicornis and Osmia Cornuta and a Proposal for a Suitable Test Design. Environmental Toxicology and Chemistry, 2021, 40, 236-250.	4.3	14
35	The toxicity and toxicokinetics of imidacloprid and a bioactive metabolite to two aquatic arthropod species. Aquatic Toxicology, 2021, 235, 105837.	4.0	14
36	Effects of sediment-spiked lufenuron on benthic macroinvertebrates in outdoor microcosms and single-species toxicity tests. Aquatic Toxicology, 2016, 177, 464-475.	4.0	12

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37	Effects of the Herbicide Metsulfuron-Methyl on a Plant Community, Including Seed Germination Success in the F1 Generation. Frontiers in Environmental Science, 2017, 5, .	3.3	12
38	Development of a standard acute dietary toxicity test for the silkworm (Bombyx mori L.). Crop Protection, 2012, 42, 260-267.	2.1	11
39	The combined and interactive effects of zinc, temperature, and phosphorus on the structure and functioning of a freshwater community. Environmental Toxicology and Chemistry, 2018, 37, 2413-2427.	4.3	11
40	INFLUENCE OF SEDIMENT QUALITY ON THE RESPONSES OF BENTHIC INVERTEBRATES AFTER TREATMENT WITH THE FUNGICIDE TRIPHENYLTIN ACETATE. Environmental Toxicology and Chemistry, 2005, 24, 1133.	4.3	9
41	Toxicity of sediment-bound lufenuron to benthic arthropods in laboratory bioassays. Aquatic Toxicology, 2018, 198, 118-128.	4.0	9
42	Exposure pattern-specific species sensitivity distributions for the ecological risk assessments of insecticides.. Ecotoxicology and Environmental Safety, 2019, 180, 252-258.	6.0	8
43	Response of a nematode community to the fungicide fludioxonil in sediments of outdoor freshwater microcosms compared to a single species toxicity test. Science of the Total Environment, 2020, 710, 135627.	8.0	7
44	Mayflies in Ecotoxicity Testing: Methodological Needs and Knowledge Gaps. Integrated Environmental Assessment and Management, 2020, 16, 292-293.	2.9	7
45	Aquatic Fate and Effects of Lambda-Cyhalothrin in Model Ecosystem Experiments. ACS Symposium Series, 2008, , 335-354.	0.5	6
46	Distribution of crayfish species in Hungarian waters. Global Ecology and Conservation, 2016, 8, 254-262.	2.1	6
47	Sediment toxicity of the fungicide fludioxonil to benthic macroinvertebrates -evaluation of the tiered effect assessment procedure. Ecotoxicology and Environmental Safety, 2020, 195, 110504.	6.0	6
48	Beebread consumption by honey bees is fast: results of a six-week field study. Journal of Apicultural Research, 0, , 1-6.	1.5	5
49	Native European crayfish Astacus astacus competitive in staged confrontation with the invasive crayfish Faxonius limosus and Procambarus acutus. PLoS ONE, 2022, 17, e0263133.	2.5	4
50	Results of Ringâ€Testing of a Semifield Study Design to Investigate Potential Impacts of Crop Protection Products on Bumblebees (Hymenoptera, Apidae) and a Proposal of a Potential Test Design. Environmental Toxicology and Chemistry, 2022, 41, 2548-2564.	4.3	3
51	Effect of copper exposure on histamine concentrations in the marbled crayfish (Procambarus fallax) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	2
52	BeeGUTSâ€"A Toxicokineticâ€"Toxicodynamic Model for the Interpretation and Integration of Acute and Chronic Honey Bee Tests. Environmental Toxicology and Chemistry, 2022, 41, 2193-2201.	4.3	2